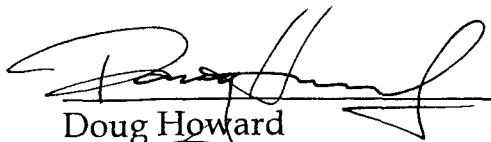


A. Permit Certificate

**MUNICIPAL
WASTEWATER-LAND APPLICATION PERMIT**
LA-000147-02

The City of Murtaugh, LOCATED AT P.O Box 157, Murtaugh, ID 83344 AND IN Township(s) 11 S, Range(s) 20 East, Section(s) 6 IS
HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND
OPERATE A WASTEWATER-LAND APPLICATION TREATMENT
SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND
APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY
STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS
(IDAPA 58.01.02), THE GROUND WATER QUALITY RULE (IDAPA
58.01.11), AND ACCOMPANYING PERMIT APPENDICES AND
REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM
THE DATE OF SIGNATURE AND EXPIRES ON (60 months from issue
date).


Doug Howard
Twin Falls Regional Administrator
Idaho Department of Environmental Quality

7/15/03

Date:

DEPARTMENT OF ENVIRONMENTAL QUALITY
601 Pole Line Road, Suite 2
Twin Falls, Idaho 83301
(208) 736-2190

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

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Appendices

1. Environmental Monitoring Serial Numbers
2. Site Maps

References

1. Plan of Operation (Operation and Maintenance Manual)
 - Groundwater Monitoring and Sample Handling Standard Operating Procedures
 - Best Management Practices, for prevention of runoff into Dry Creek

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater-Land Application Permit LA-000147-02 and are enforceable as such. This permit does not relieve the City of Murtaugh, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

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C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season – Typically April 01 through October 31 (214 days)
GW	Ground Water
GWQR	IDAPA 58.01.11 “Ground Water Quality Rule”
Handbook or Guidelines	Handbook for Land Application of Municipal and Industrial Wastewater, DEQ, April 1996.
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. <i>Permit Limits and Conditions</i> .
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. <i>Permit Limits and Conditions</i> .
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	<p>Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is:</p> $IWR = (CU - P_e) / E_i$ <p>CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration</p> <p>P_e is the effective precipitation. CU minus P_e is synonymous with the net irrigation requirement (IR)</p> <p>E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.</p>
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the land application treatment site.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)

C. Abbreviations, Definitions

SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 <i>Water Quality Standards and Wastewater Treatment Requirements</i>
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WLAP	Wastewater Land Application Permit (or Program)
WLAP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	City of Murtaugh
Type of Wastewater	Municipal Wastewater
Method of Treatment	Facultative lagoons, land application through rapid infiltration (RI) basins
Type of Facility	POTW
Facility Location	Two lagoons and two RI basins located approximately one quarter mile NW of the city of Murtaugh
Legal Location	Township 11 S, Range 20 East, Section 6
County	Twin Falls
USGS Quad	Murtaugh
Soils on Site	Primarily Portneuf silt loam
Depth to Ground Water	40 to 100 feet
Beneficial Uses of Ground Water	Agriculture
Nearest Surface Water	Dry Creek located approximately 300 feet South of land application site
Beneficial Uses of Surface Water	Agriculture, Recreation
Responsible Official Mailing Address Phone / Fax	Carl Melugin, Mayor P.O. Box 157 Murtaugh, Idaho 83344 (208) 432-5205
Facility Contact(s) Mailing Address Phone / Fax	Jim Etherington, Facility Operator or Brent Johnson 3278 E 3210 N Water and Sewer Superv. Twin Falls, ID 83301 Murtaugh, ID 83344 (208) 736-2083 (208) 539-1877 cell

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-147-01 One (1) year after permit issuance	<p>A Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater land application facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and comment. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation shall contain at a minimum all of the information required by the latest revision of the Plan of Operation Checklist in the WLAP Program Guidance.</p> <p>Upon approval, the manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.</p>
CA-147-02 One (1) year after permit issuance	<p>Conduct seepage test in accordance with the DEQ uniform seepage test procedures (DEQ guidance titled "Procedure for Evaluating Wastewater Treatment Lagoon Seepage Rates", January 22, 2002) or a method approved by DEQ.</p> <p>This applies to all wastewater storage or conveyance structures or ponds at the treatment facility and the land application site. The leakage performance standard set in the above cited DEQ guidance is specified as 0.125 inches per day or less, for new proposed for construction structures or ponds. Based on the <i>DEQ Handbook for Land Application of Municipal and Industrial Wastewater, April 1996</i> the performance criteria recommends that older lagoons with no potential or actual impacts to ground water (or surface water through a ground water connection) be allowed to seep at a rate of 0.25 inches per day. If a structure or pond does not meet the seepage rate requirements the permittee shall submit a plan and schedule, for DEQ's review and approval, to either repair, replace or abandon the structure or pond.</p>
CA-147-03 Three (3) years after permit issuance	<p>The permittee shall meet the Total Nitrogen limit of 20 mg/L (monthly average) and Total Suspended Solids limit of 100 mg/L (monthly average) measured prior to each RI basin, or the permittee shall submit for review and approval a preliminary engineering report (hereafter "the Plan"). The Plan shall present an analysis of the effect of the rapid infiltration basin on the ground water monitoring wells, monitoring and analysis of treatment efficiencies of Total Nitrogen and Total Suspended Solids, outline modifications that will bring the facility in compliance with the Total Nitrogen limit and Total Suspended Solids limit, including alternative disposal options, nitrogen treatment options, or waiver to the effluent limits. The Plan shall meet the requirements of this permit and the Wastewater Land Application Regulations within two (2) years of the approval of the Plan by DEQ. The failure to develop a Department approved Plan within this frame will be a violation of the permit. In the interim period from the issuance to three (3)</p>

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
	years deadline, maximum Total Nitrogen shall be less than 56 mg/L (monthly average), and Total Suspended Solids shall be less than 405 mg/L (monthly average). If modifications are necessary to bring the facility into compliance, the modifications outlined in the Plan shall be constructed within two years of the DEQ's approval of the Plan.

F. Permit Limits and Conditions

- 1) The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Category	Permitted Limits and Conditions
Type of Wastewater	Municipal Wastewater
Application Site Area	Two (2) rapid infiltration basins (RI) each 0.99 acres, see site map in Appendix 2
Application Season	Growing and Non-growing: January 1 through December 31
Growing Season (GS)	See definitions, abbreviations
Non-Growing Season (NGS)	See definitions, abbreviations
Supervision	NA
Reporting Year for Annual Loading Rates	November 1 through October 31
Maximum Hydraulic Loading Rate, Growing and Non-growing Season (MG/year)	Total effluent to both RI basins of 16 million gallons per year
Total Suspended Solids (TSS)	100 mg/L, monthly average; See compliance activity CA-147-03 for interim limit
Total Nitrogen (Total Kjeldahl Nitrogen+Nitrate and Nitrite Nitrogen)	20 mg/L, monthly average; See compliance activity CA-147-03 for interim limit
Ground Water Quality	Ground Water Quality shall be in compliance with <i>Idaho Ground Water Quality Rule</i> IDAPA 58.01.11
Construction Plans	Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.
Grazing	A grazing management plan shall be submitted to DEQ for review and approval prior to any grazing activities. Grazing Plans shall follow the guidance located on the DEQ Internet site.
Buffer Zones	Buffer zones of 300 feet or more shall be maintained between land application areas and inhabited dwellings, 500 feet or more shall be maintained between land application areas and private wells supplies, 1,000 feet or more shall be maintained between land application area and public water supply wells, and 50 feet or more shall be maintained between land application areaa that the public has access to. Buffer zones of 50 feet or more shall be maintained between land application areas and all surface water areas. Best Management Practices (BMPs) reviewed and approved by the DEQ, shall be used in the buffer zones around all surface water areas.
Fencing and Posting	Fencing and warning signs are required around the treatment facility. Signs should read "Sewage Effluent Application-Keep Out" or equivalent.

G. Monitoring Requirements

- 1) Appropriate analytical methods, as given in the *Handbook for Land Application of Municipal and Industrial Wastewater, April 1996*, or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.
- 2) The permittee shall monitor and measure parameters and submit information as stated in the Facility Monitoring Table in this section.
- 3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
- 4) Monitoring locations are described in Appendix 1. Environmental Monitoring Serial Numbers.
- 5) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown. Unless otherwise agreed in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table as follows.
- 6) Ground Water Monitoring Procedure: Ground Water Monitoring Wells shall be purged a minimum of three casing volumes and/or until field measurements for pH, specific conductance and temperature meet the following conditions: two successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling for ground water.
- 7) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Daily	Parshall Flume	Volume of Influent Wastewater to lagoons #1 and #2 Visual and record	Total Gallons/Day to lagoons
Monthly	Inlet Structure	Grab sample ¹	Total Kjeldahl nitrogen (TKN), Nitrate+Nitrite-Nitrogen (NO ₃ +NO ₂), COD, Total Phosphorus, Total Suspended Solids (TSS)
Daily, during RI basins dosing	Weir Elevation	Volume of Effluent to each RI basin Visual and record	Total Gallons/Day applied to each Hydraulic Management Unit (HMU)
Monthly, during RI basins dosing	Wastewater prior to RI basins	Grab Sample ¹	Total Kjeldahl nitrogen (TKN), Nitrate+Nitrite-Nitrogen (NO ₃ +NO ₂), COD, Total Phosphorus, Total Suspended Solids (TSS), Total Dissolved Solids (TDS), Chloride (Cl), Total and Fecal Coliform

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Semi-Annually (April and October)	Ground Water Monitoring Wells GW-014701, GW-014702, GW-014703	See Notes 1) through 6) above	Total Dissolved Solids (TDS), Nitrite + Nitrate Nitrogen (NO ₃ +NO ₂), Total Phosphorus, Static Water Level

1. Grab samples shall be obtained at a location that yields a representative sample.

H. Standard Reporting Requirements

1. The permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year which shall cover the previous year (see section F for WLAP reporting period). The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.
2. The annual report shall contain the results of the required monitoring as described in Section G. Monitoring Requirements. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.
3. The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-550

Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
208-769-1422

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

Lewiston Regional Office
1118 "F" Street
Lewiston, ID 83501
208-799-4370

Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201
208-236-6160

Twin Falls Regional Office
601 Pole Line Road, Suite 2
Twin Falls, ID 83301
208-736-2190

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4. Notice of completion of any work described in Section E. Compliance Schedule for Required Activities shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.
5. All laboratory reports containing the sample results for monitoring required by Section G. Monitoring Requirements of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.
2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.
3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:
 - a. Apply wastewater as evenly as practicable to the treatment area;
 - b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
 - c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.
4. The permittee shall:
 - a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
 - b. Not hydraulically overload any particular areas of the wastewater land application treatment site.
5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.
6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.
7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:
 - a. Enter the permitted facility,
 - b. Inspect any records that must be kept under the conditions of the permit.
 - c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
 - d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.
8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:
 - a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
 - b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
 - c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certification Page
Emergency 24 Hour Number 1-800-632-8000

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I. Standard Permit Conditions: Procedures and Reporting

- d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:
 - i. A description of the non-compliance and its cause;
 - ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
 - iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.
- e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.
9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.
10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

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J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.
2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.
3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.
4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.
5. Any person violating any provision of the Waste Water Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars (\$10,000) or one thousand dollars (\$1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.
6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.
7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.
8. If, pursuant to Idaho Code § 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23..
9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.
10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

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Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-014701	Rapid Infiltration Basin #1 or East (RI #1)	0.99
MU-014702	Rapid Infiltration Basin #2 or West (RI #1)	0.99

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-014701	Grab sample of Influent to lagoon #1 and #2
WW-014702	Grab sample of Effluent to each Rapid Infiltration basin

GROUND WATER MONITORING

Serial Number	Description	Location
GW-014701	Monitoring Well #1 or A	Upgradient
GW-014702	Monitoring Well #2 or B	Downgradient
GW-014703	Monitoring Well #3 or C	Downgradient

LAGOONS

Serial Number	Description
LG-014701	Lagoon no. 1
LG-014702	Lagoon no. 2

Appendix 2
Site Maps

LA-000147-02	City of Murtaugh	July 15, 2003	Page 16 of 16
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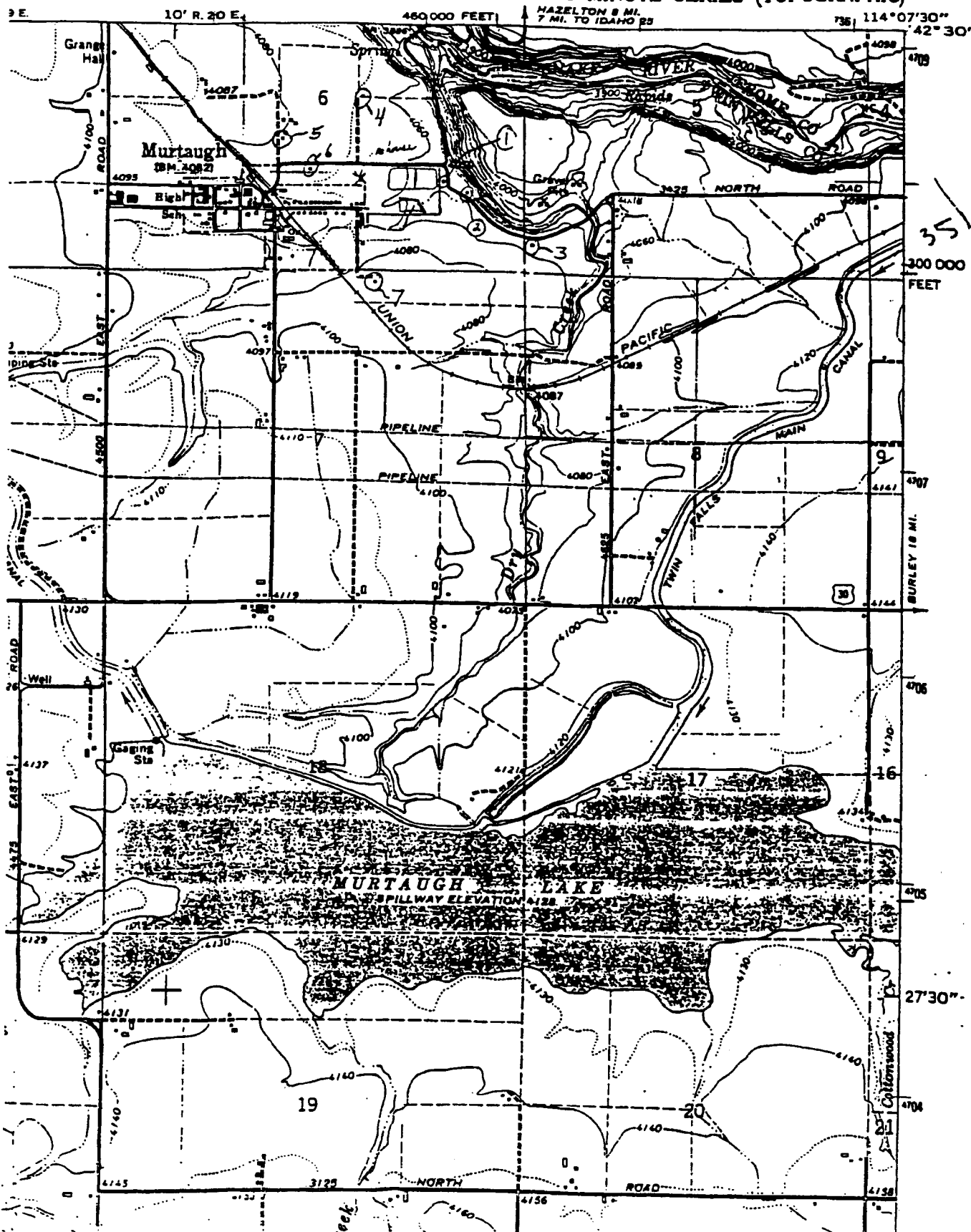
FIGURE 1

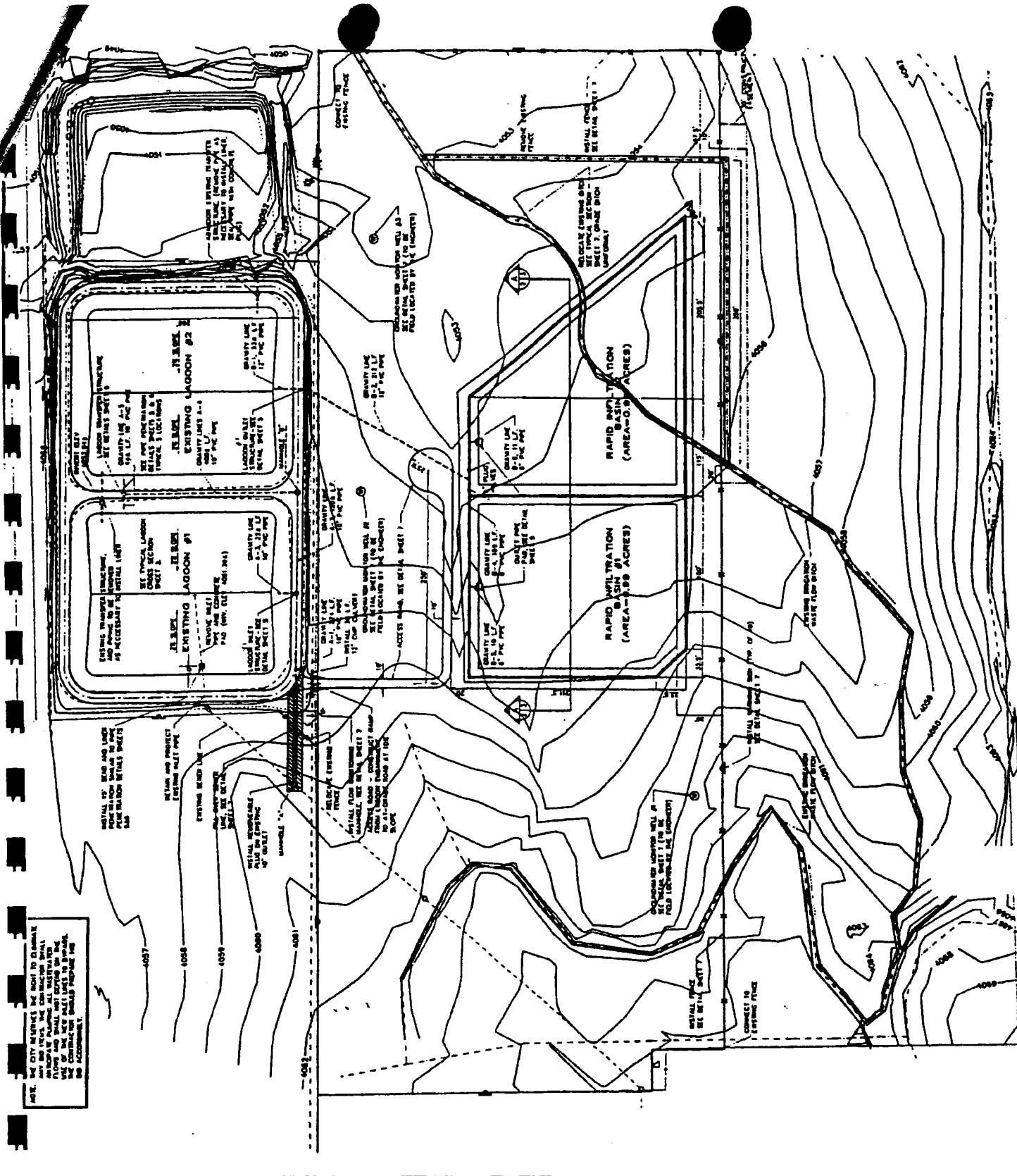
MURTAUGH QUADRANGLE

IDAHO

7.5 MINUTE SERIES (TOPOGRAPHIC)

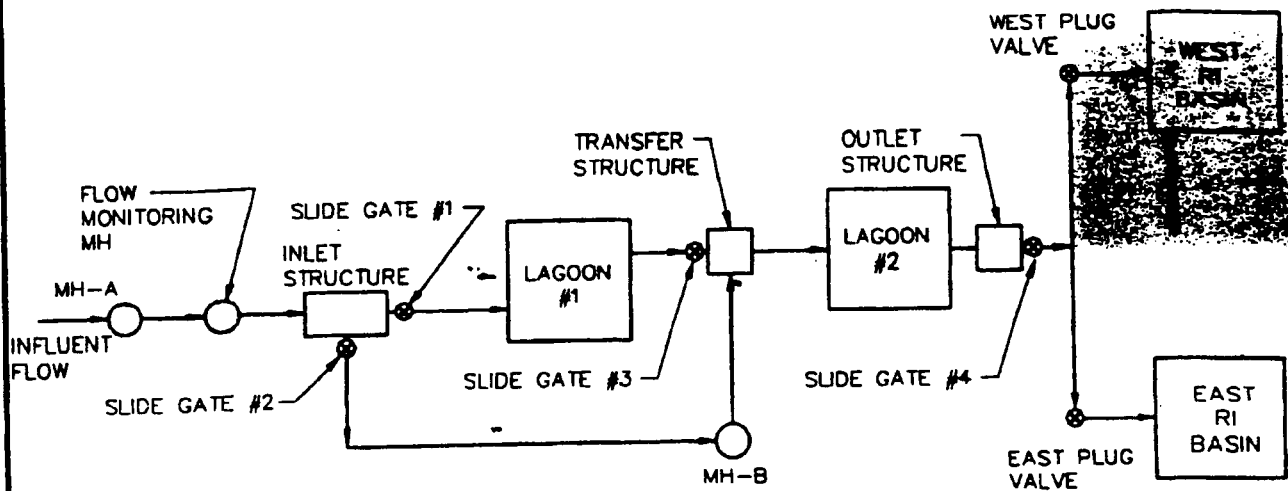
3169 H SE
(MILNER)





SITE PLAN
FIGURE 1.1

FIGURE 1.2



WASTEWATER FLOW SCHEMATIC

